

**Agency: Department of Education and Early Development****Project Title:**

# Copper River School District - Glennallen High School Fire Alarm and Security System Upgrade

**State Funding Requested: \$ 100,000**  
One-Time Need**House District: 12 - F****Brief Project Description:**

Upgrades to the fire alarm and security system in order to bring system up to code

**Funding Plan:****Total Cost of Project: \$100,000**Funding Secured

Amount FY

Other Pending Requests

Amount FY

Anticipated Future Need

Amount FY

There is no other funding needed

**Detailed Project Description and Justification:**

The fire alarm and detection system for Glennallen Junior-Senior High School was inspected by SimplexGrinnel LP on August 28, 2006. The inspection noted the following deficiencies:

1. There are several T-taps in the wiring
2. There is 120-volt wiring running in same conduit as the low-voltage wiring
3. The particular model of smoke detector used in the school is obsolete, no longer manufactured, and needs to be replaced
4. Several smoke detectors with relay bases have been added into control door closures, and the manufacturer requires that smoke detectors with relay bases be on their own zone
5. The pull station at audience right of the auditorium is inoperative
6. The south strobe in the front office and administrative area of the building is inoperative
7. The system has been modified several times over its lifetime, and many of these undocumented modifications are not compliant with fire alarm codes, resulting in the integrity of the system being compromised
8. It is highly recommended that the entire fire alarm and detection system be replaced

Funding requested will correct these deficiencies.

**Project Timeline:**

2008-2009

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

Copper River School District

**Grant Recipient Contact Information:**

Contact Name: James Elliot, Superintendent

Phone Number: (907) 822-3234

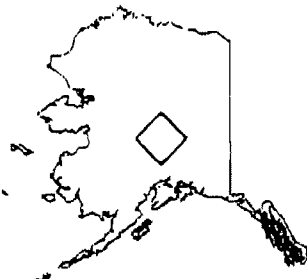
Address: PO Box 108

Glennallen, AK 99588

Email:

Has this project been through a public review process at the local level and is it a community priority? ☐ Yes ☒ No

# ***Copper River School District***



Chistochina  
Copper Center  
Gakona  
Glennallen  
Kenny Lake  
Slana

Office of the Superintendent  
P.O. Box 108  
Glennallen, AK 99588  
(907) 822-3234 ext. 223  
(907) 822-3949 fax

March 28, 2008

The Honorable John Harris, Speaker of the House  
House of Representatives  
Alaska Legislature  
State Capitol, Room 208  
Juneau, AK 99801-1182

Dear Mr. Speaker:

As requested, below is the justification for the deferred maintenance and capital improvement requests for the Glennallen Junior-Senior High School (GJSHS).

Fire Alarm and Security System (\$100,000) – The fire alarm and detection system for GJSHS was inspected by SimplexGrinnel, LP on August 28, 2006. During said inspection, a number of significant deficiencies were noted:

1. There are several T-taps in the wiring;
2. There is 120-volt wiring running in the same conduit as the low-voltage wiring;
3. The particular model of smoke detector used in the school is obsolete, is no longer manufactured, and need to be replaced;
4. Several smoke detectors with relay bases have been added into control door closures, and the manufacturer requires that smoke detectors with relay bases be on their own zone to ensure enough voltage is present to activate properly the relay;
5. The pull station at audience right of the auditorium is inoperative;
6. The south strobe in the front office and administrative area of the building is inoperative;
7. The system has been modified several times over its lifetime, and many of these undocumented modifications are not compliant with fire alarm codes, resulting in the integrity of the system being compromised;
8. It is highly recommended that the entire fire alarm and detection system be replaced with an addressable system, including new wiring.

The GJSHS is a sprawling 58,073 SF two-story complex with numerous required exits, blind side corridors, and recessed areas that lack presently any security surveillance. Adequate monitoring of these areas by the administration currently requires an inordinate amount time. With today's concern for school safety, this lack of surveillance creates critical safety issues that can be remedied through the installation of a building-wide security monitoring system (computer with digital DVR, flat panel monitor, and high-resolution cameras).

Auditorium Audiovisual and Electrical Repairs and Upgrade (\$85,000) – The GJSHS auditorium's control booth and dressing rooms are a hodgepodge of cobbled together audiovisual, lighting, and cabling systems with numerous electrical code issues. Both the control booth and dressing rooms need to be modernized, including installation of new equipment, lighting, and wiring.

Water-Sewer Repairs (\$55,000) – The sewer line has leaked, frozen, and burst numerous times over the last ten years. Although repaired temporarily after each of these occurrences, the entire system needs to be fixed permanently through the removal of the existing encapsulation, water-logged insulation, and piping and, afterwards, by the installation of a new sewer pipe, insulation, and under floor soffit. Likewise, repairs need to be made to the well and waterlines that supply the building.

Building Remote HVAC Monitoring (\$50,000) – Installation of new preventive maintenance automation and temperature controls with Honeywell SymmetrE server, remote connectivity software, and monitoring services. BNA Honeywell DDC controller network adaptors will be provided by contractor. Said adaptors will be hardwired to the SymmetrE server and communication card for 24/7 remote monitoring of the facility's HVAC system.

School Emergency Response System (\$35,000) – Provision of an emergency notification system for use when GJSHS student and/or staff safety are at risk. To this end, the school will use an automated notification alerter that delivers incident-specific messages or potentially lifesaving instruction via phone, pager, fax, and e-mail. Inasmuch as GJSHS and the adjoining Glennallen Elementary School (GES) are designated shelters for housing of persons from the Copper River Basin and Valdez who are displaced by a catastrophic event (forest fire, flood, earthquake, and tsunami), the schools need emergency response equipment, folding cots, bedding, clothing, MREs, and a watertight connex-type container in which to store same.

Your assistance in obtaining the funded needed for the abovementioned deferred maintenance and capital improvement projects for GJSHS is greatly appreciated.

Yours truly,



James W. Elliott, Ph. D.  
Superintendent